

Math Virtual Learning

Grade 7 Area of Circles

May 7, 2020



Grade 7/Area of Circles Lesson: May 7, 2020

Objective/Learning Target: Find the area of a circle.

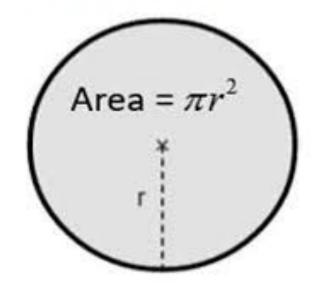
Let's Get Started:

Watch Video: Area of a Circle

Quick Video Review:

Below are the most important concepts from the video you just watched.

Area of Circle





Find the value of these numbers, raised to the 2nd power.

Area of Circles

Warm Up Simplify.

- 1.82
- 2. 12²
- 3. 6.22
- 4. 7.5²

Find the value of these numbers, raised to the 2nd power.

Area of Circles

Warm Up Simplify.

1.
$$8^2$$
 64 $8 \times 8 = 64$

3.
$$6.2^2$$
 38.44 $6.2 \times 6.2 = 38.44$

4.
$$7.5^2$$
 56.25 $7.5 \times 7.5 = 56.25$

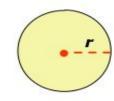
Just another reminder that...

Area of Circles

AREA OF A CIRCLE

The area A of a circle is the product of π and the square of the circle's radius r.

$$A = \pi r^2$$



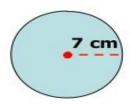
Go to this website:

Khan Academy Area of a Circle

- 1. Look at the question carefully.
- 2. Use the "Show Calculator" button for calculator assistance.
- 3. Use 3.14 as your value for Pi.
- 4. If you get stuck, click on the blue "watch a video or use a hint" link.
- 5. Answer all 7 questions.

Answer the question on a piece of paper. Use 3.14 for Pi (π) .

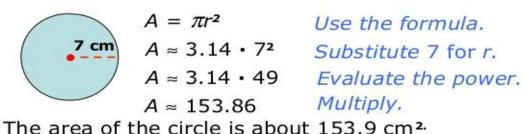
Area of Circles



Answer the question on a piece of paper. Use 3.14 for Pi (π).

Area of Circles

Find the area of the circle to the nearest tenth. Use 3.14 for π .

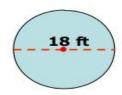


Remember!

The order of operations calls for evaluating the exponents before multiplying.

Answer the question on a piece of paper. Use 3.14 for Pi (π) .

Area of Circles



Answer the question on a piece of paper. Use 3.14 for Pi (π) .

Area of Circles

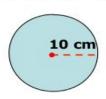
Find the area of the circle to the nearest tenth. Use 3.14 for π .



The area of the circle is about 254.3 ft².

Answer the question on a piece of paper. Use 3.14 for Pi (π) .

Area of Circles



Answer the question on a piece of paper. Use 3.14 for Pi (π) .

Area of Circles

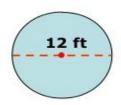
Find the area of the circle to the nearest tenth. Use 3.14 for π .



The area of the circle is about 314 cm².

Answer the question on a piece of paper. Use 3.14 for Pi (π) .

Area of Circles



Answer the question on a piece of paper. Use 3.14 for Pi (π) .

Area of Circles

Find the area of the circle to the nearest tenth. Use 3.14 for π .



The area of the circle is about 113.0 ft2.

Additional Practice:

Click on the links below to get additional practice and to check your understanding!

Quizizz - Practice

IXL - Practice

Pro Profs - Practice

Open Middle - Challenge